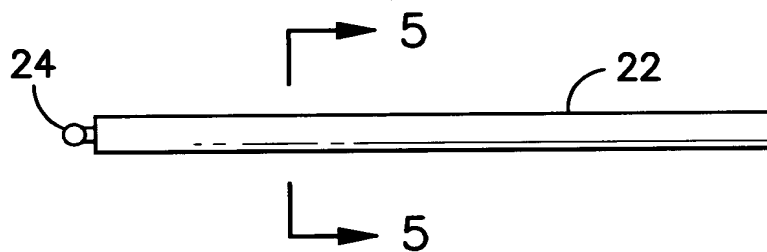
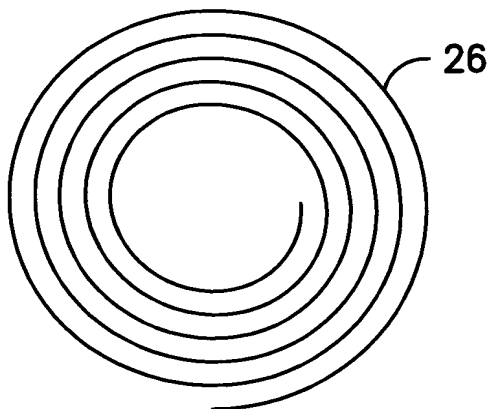


*FIG. -3-*



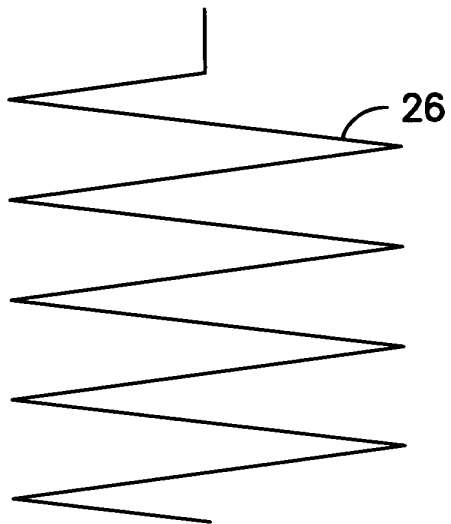
*FIG. -4-*



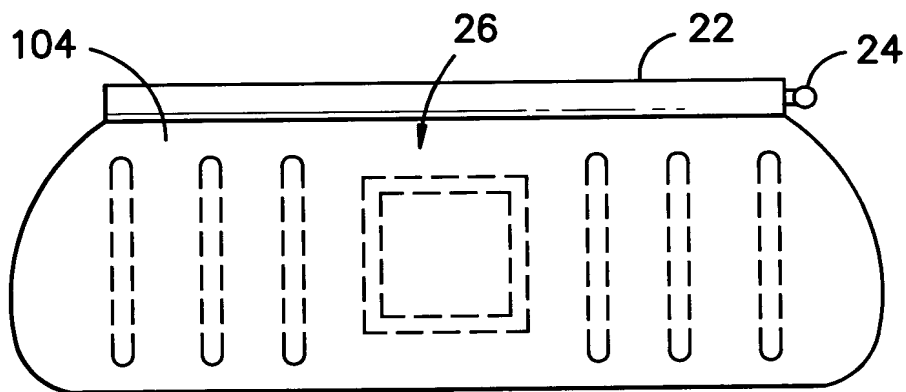
*FIG. -5A-*

106280 22121660

FIG. 5B



*FIG. -5B-*



*FIG. -6-*

# RESISTANCE TO ABRASION AND PUNCTURE HAZARDS ABRASION TESTING

TEST MEDIA  
- ROADSIDE GRAVEL

## TEST METHOD

- INFLATE TEST BAG TO 10 psi.
- PLACE TEST BOARD ON INFLATED BAG AND LOAD WITH A 13 lb. CONCRETE BLOCK.
- SCRUB GRAVEL BOARD ACROSS BAG AT 1 cycle / second

## TEST MEASUREMENT

- MEASURE FLOW RATE REQUIRED TO MAINTAIN BAG PRESSURE AT 10 psi.

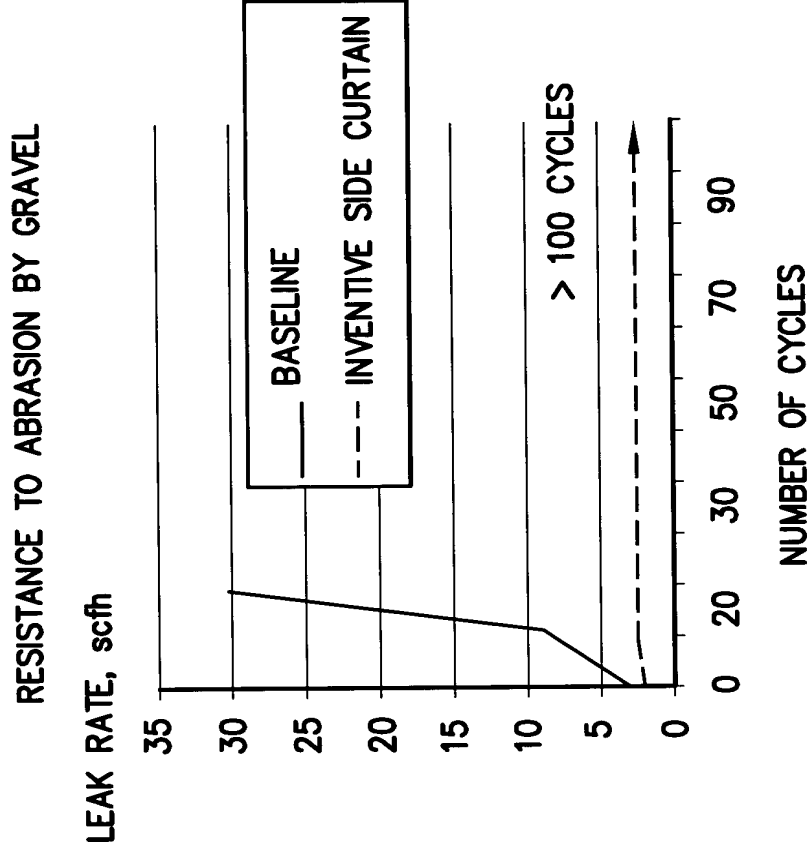


FIG. -7-

# RESISTANCE TO ABRASION AND PUNCTURE HAZARDS ABRASION TESTING

TEST MEDIA  
- CONCRETE

TEST METHOD

- INFLATE TEST BAG TO 10 psi.
- PLACE CONCRETE BLOCK ON INFLATED BAG
- SCRUB CONCRETE BLOCK ACROSS BAG AT 1 cycle / second

TEST MEASUREMENT

- MEASURE FLOW RATE REQUIRED TO MAINTAIN BAG PRESSURE AT 10 psi.

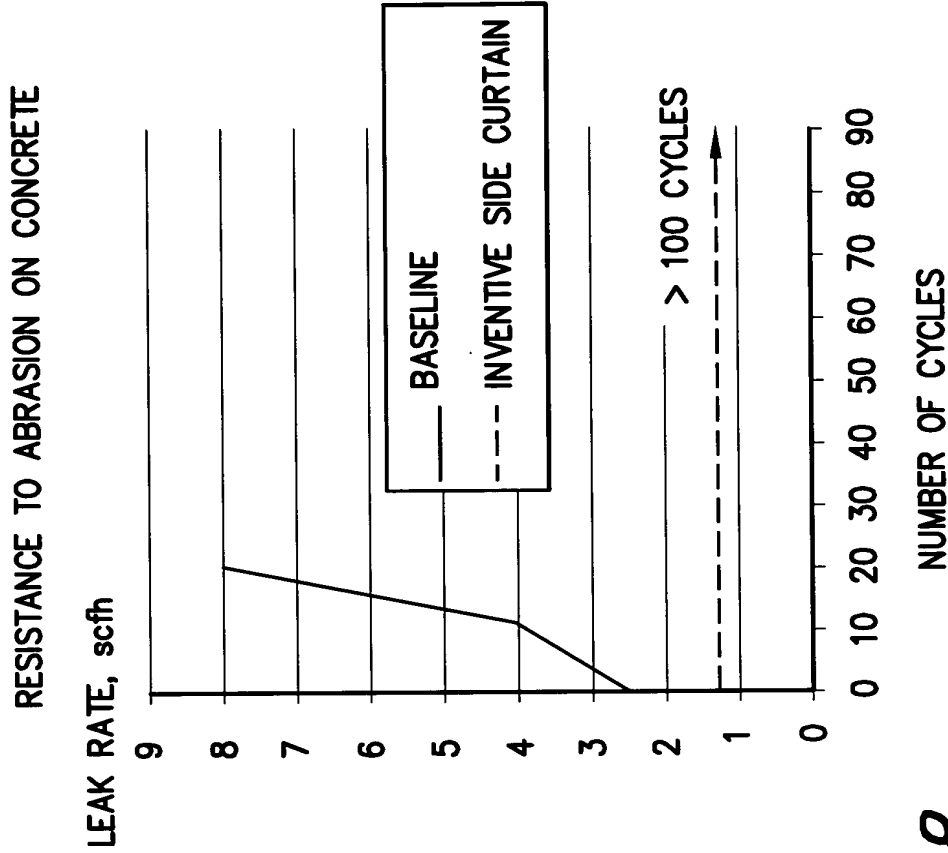


FIG. -8-

# RESISTANCE TO ABRASION AND PUNCTURE HAZARDS PUNCTURE TESTING

## TEST MEDIA

- SHARDS OF SIDE WINDOW GLASS

## TEST METHOD

- DEPLOY TEST BAG TO 30 psi  
AGAINST PLATE COVERED WITH  
BROKEN GLASS.
- DROP 25 lb WEIGHT ON PLATE AS  
BAG REACHES FULL INFLATION.

## TEST MEASUREMENT

- MEASURE TIME TO FALL FROM 30  
psi TO 15 psi.

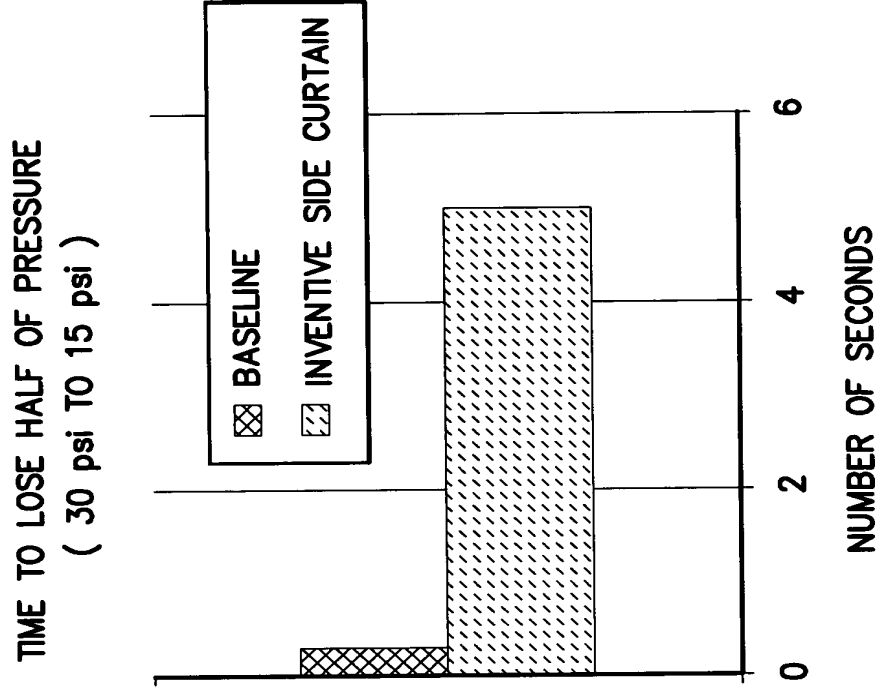


FIG. -9-

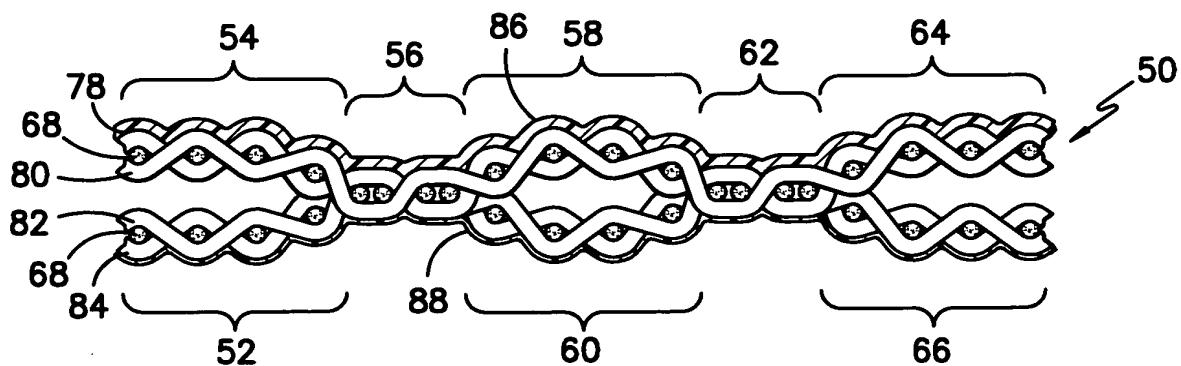


FIG. -10-

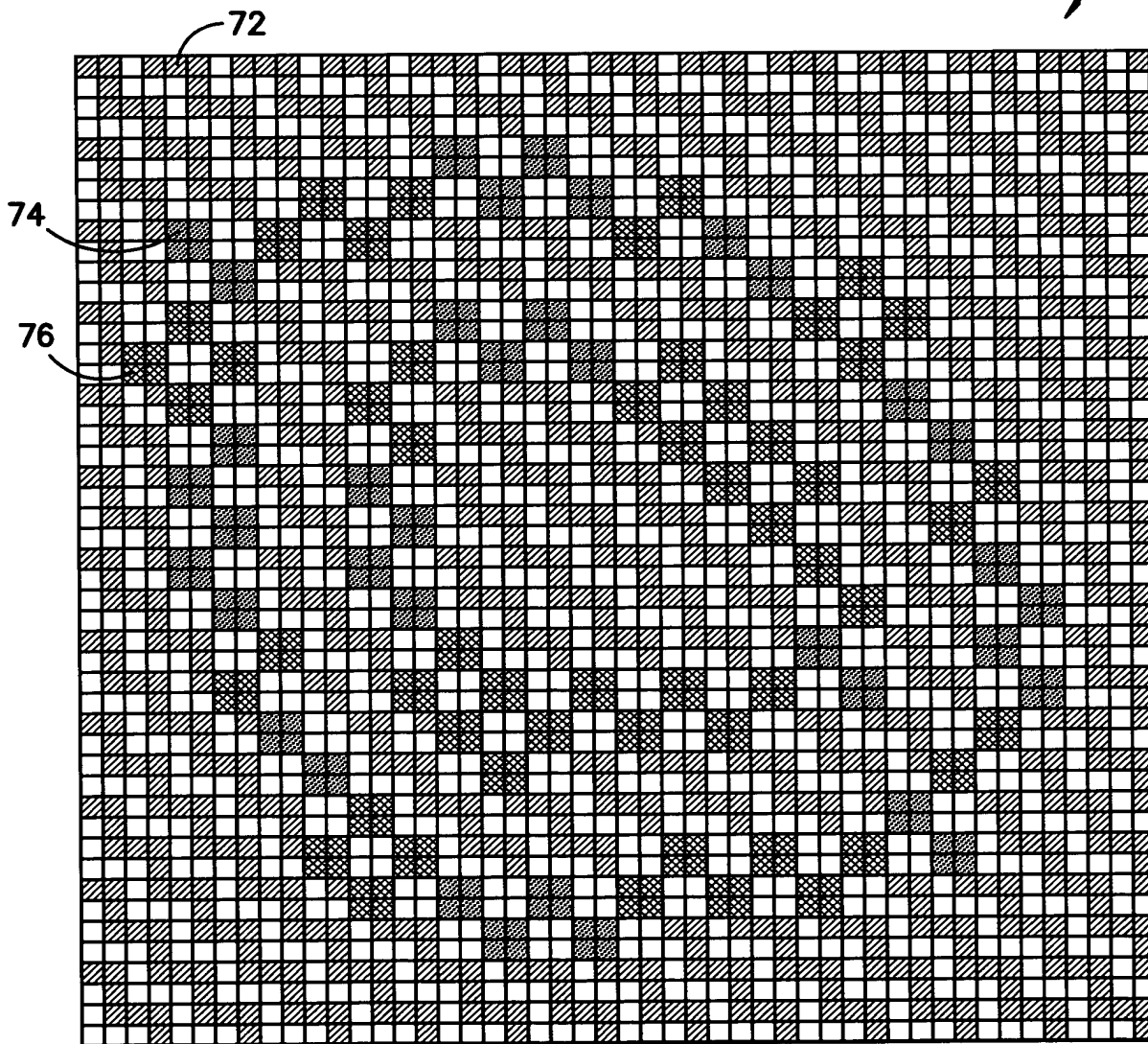
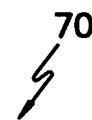
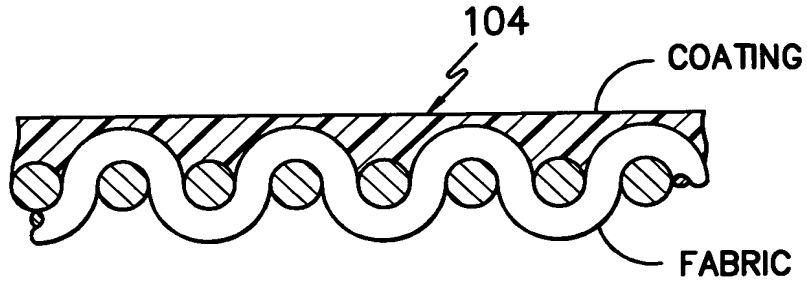
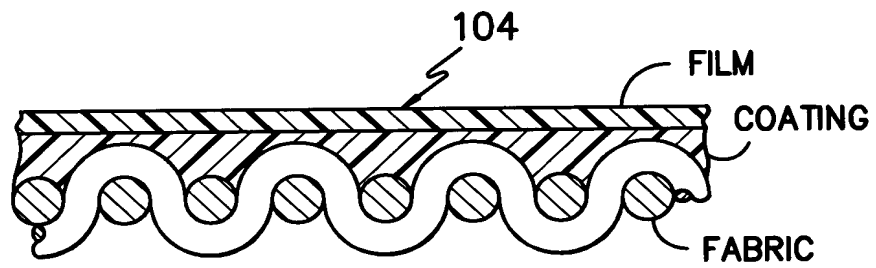


FIG. -11-

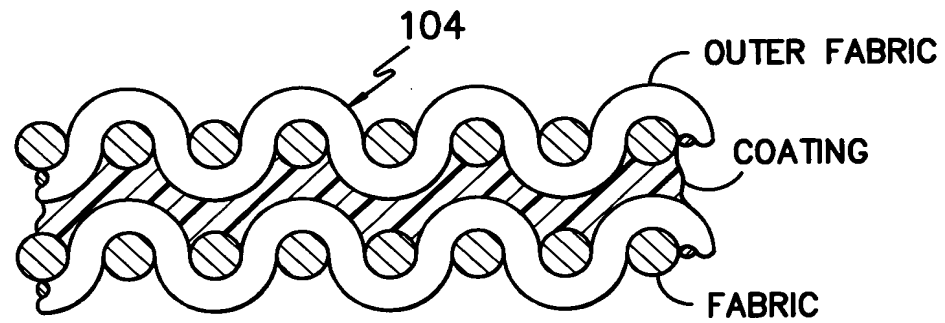
106250 22727600



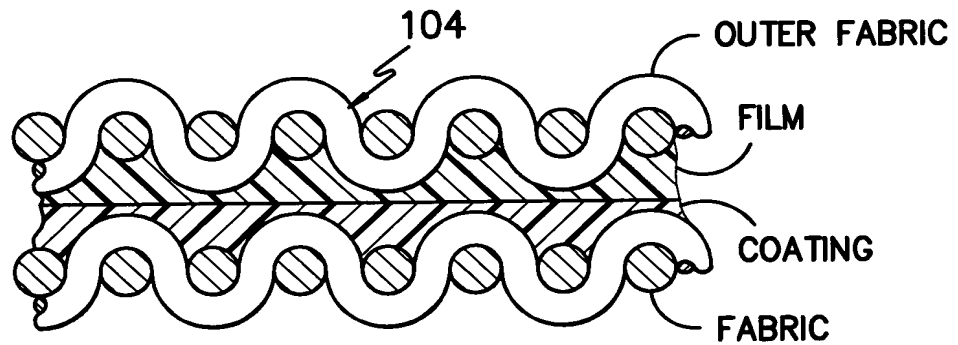
*FIG. -12A-*



*FIG. -12B-*

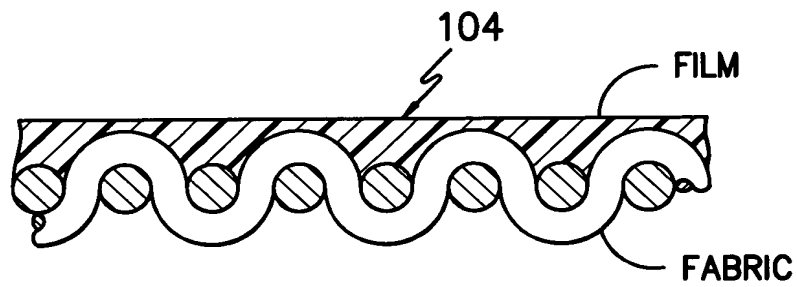


*FIG. -12C-*

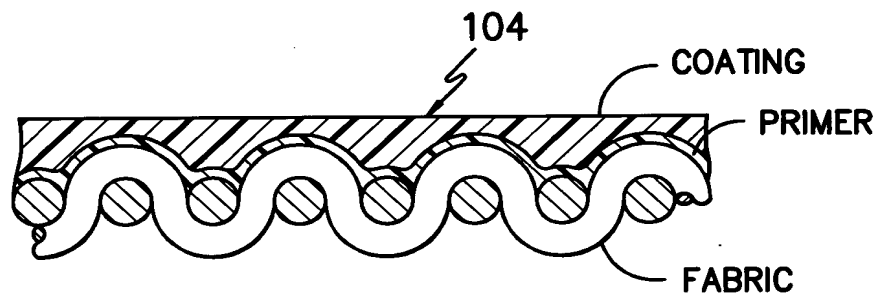


*FIG. -12D-*

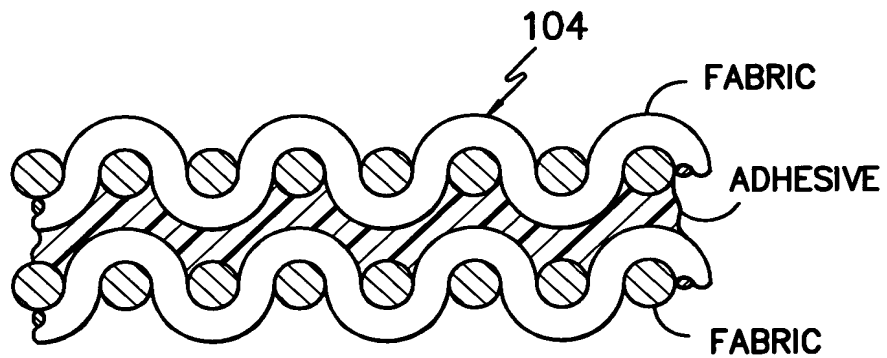




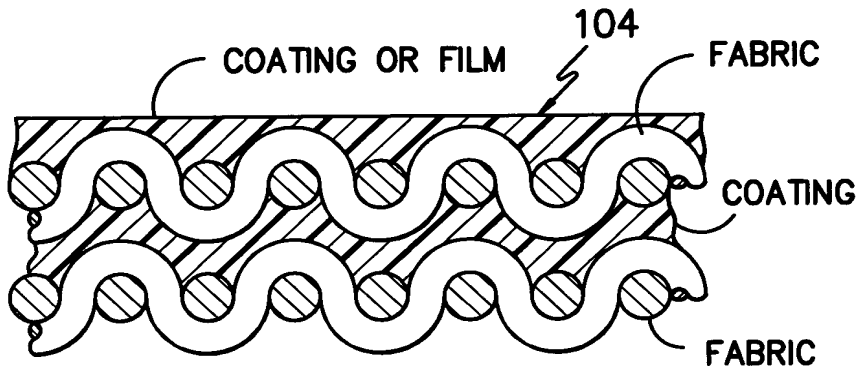
*FIG. -12E-*



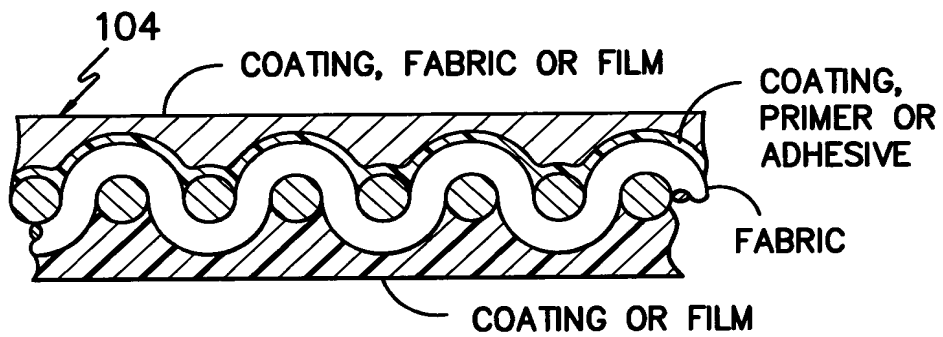
*FIG. -12F-*



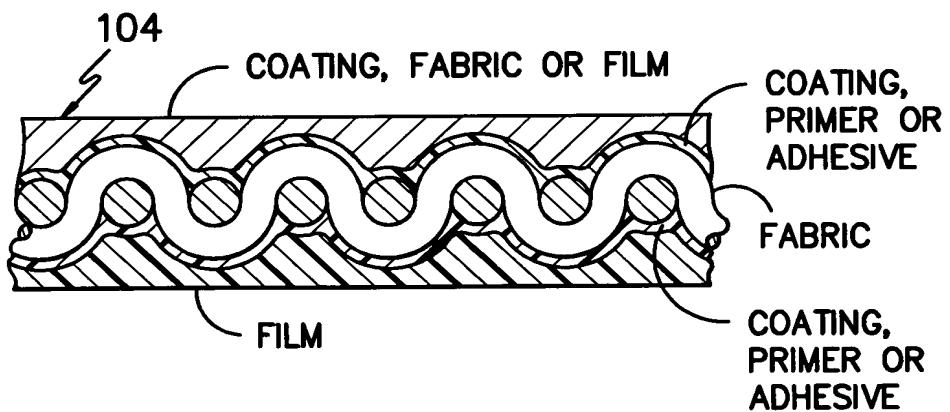
*FIG. -12G-*



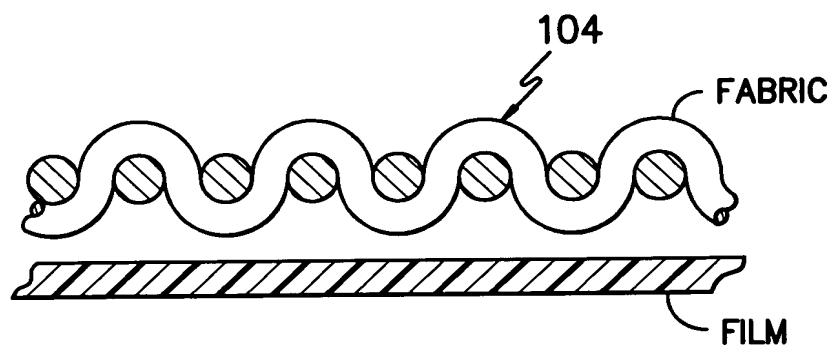
*FIG. -12H-*



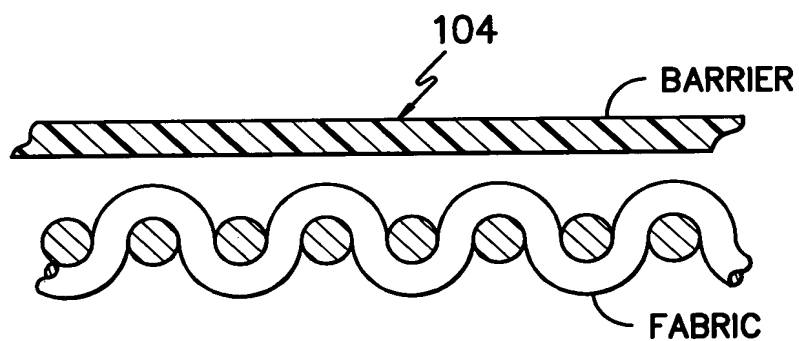
*FIG. -12I-*



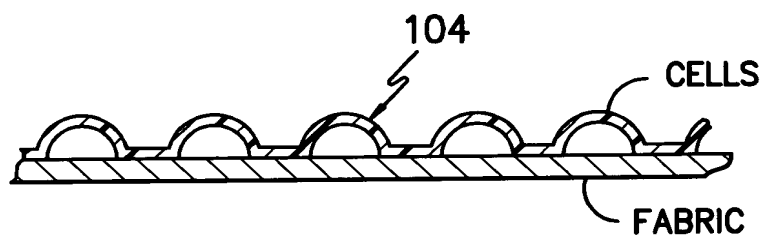
*FIG. -12J-*



*FIG. -12K-*



*FIG. -12L-*



*FIG. -12M-*

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